

# PRODUCT INFORMATION

K agar is recommended for the isolation and cultivation of acidophilic thermophilic bacteria (ATB) such as *Alicyclobacillus* species in accordance with IFU Standard Method 12. Selective for *Alicyclobacillus acidoterrestris* when incubated at 45°C; whereas, other species of the genus demonstrate minimal growth or inhibition.

## FORMULA\* (per Liter):

Yeast Extract .....	2.5g
Meat Peptone .....	5.0g
Sucrose .....	1.0g
Tween 80 .....	1.0g
Agar .....	15.0g

\*Adjusted and/or supplemented as required to meet performance criteria



## K AGAR Material 5045

### PHYSICAL CHARACTERISTICS:

Appearance: Prepared medium is clear to trace hazy and pale yellow

pH: 3.6 - 3.8 @25°C

### GROWTH RECOVERY:

Test Organisms	Expected Results
<i>Alicyclobacillus acidocaldarius</i> (NCIMB 11725)	Partial to complete inhibition
<i>Alicyclobacillus acidoterrestris</i> (ATCC 49025)	Growth
<i>Escherichia coli</i> (ATCC 25922)	Partial to complete inhibition
<i>Staphylococcus aureus</i> (ATCC 29523)	Partial to complete inhibition

### STORAGE AND HANDLING INSTRUCTIONS:

Store sealed sleeves inverted at 2-8°C upon receipt. Do not heat or freeze and minimize exposure to light. Plates should be warmed to room temperature prior to use - not to exceed 30°C. Product expiry is 183 days (6 months) from the date of manufacture. Reference our *Prepared Media Storage and Handling* document for additional information.

## S<sup>2</sup> Media

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